BRUHAT BANGALORE MAHANAGARA PALIKE

BYATARAYANA PURA DIVISION

Name of Work: Improvements to Roads and Drains at Byarappa Garden, KNE College 4th Block,Kateramma Layout cross Roads in ward No 10 Doddabommasandra

ESTIMATE COST :100.00 Lakhs

Executive Engineer,
BYATARAYANAPURA DIVISION,

Bruhat Bengaluru
Mahanagara Palike

ಅಂದಾಜು ಪಟ್ಟಿಯ ವರದಿ

ವಿಷಯ:– ವಾರ್ಡ್ ನಂ.10 ವಾರ್ಡ್‌ಗೆ 2019–20ನೇ ಸಾಲಿನ ಆಯವ್ಯಯದಲ್ಲಿ ಮೀಸಲಿಟ್ಟಿರುವ (P-0224) ಅನುದಾನದಡಿಯಲ್ಲಿ ಅಭಿವೃದ್ಧಿ ಕಾಮಗಾರಿಗಳಿಗೆ ಕಾಮಗಾರಿ ಸಂಖೇತ ನೀಡುವ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ: 1. ಶ್ರೀಮತಿ ಜಯಲಕ್ಷ್ಮಮ್ಮ ಪಿಲ್ಲಪ್ಪರವರ ಪಾಲಿಕೆ ಸದಸ್ಯರು, ವಾರ್ಡ್ ನಂ.10 (ದೊಡ್ಡಬೊಮ್ಮಸಂದ್ರ) ರವರ ಪತ್ರ

ಮೇಲ್ಕಂಡ ವಿಷಯ ಹಾಗೂ ಉಲ್ಲೇಖಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಶ್ರೀಮತಿ ಜಯಲಕ್ಷ್ಮಮ್ಮ ಪಿಲ್ಲಪ್ಪ ಪಾಲಿಕೆ ಸದಸ್ಯರು, ವಾರ್ಡ್ ನಂ.10 (ದೊಡ್ಡಬೊಮ್ಮಸಂದ್ರ) ರವರು ಪೂಜ್ಯ ಮಹಾಪೌರರು ಬಿಬಿಎಂಪಿ ರವರಿಗೆ ಪತ್ರ ಬರೆದು ಕೋರಿರುವಂತೆ ಪೂಜ್ಯ ಮಹಾಪೌರರು ರವರು ಮಾನ್ಯ ಆಯುಕ್ತರು ರವರಿಗೆ ಟಿಪ್ಪಣಿ ಬರೆದು 2019–20ನೇ ಸಾಲಿನ ಆಯವ್ಯಯದಲ್ಲಿ **(P-0224)** ವಾರ್ಡ್ ನಂ.10 (ದೊಡ್ಡಬೊಮ್ಮಸಂದ್ರ) ವ್ಯಾಪ್ತಿಗೆ ರೂ.100.00 ಲಕ್ಷಗಳ ಅನುದಾನವನ್ನು ಅನುಮೋದನೆ ನೀಡಲು ಕೋರಿರುವಂತೆ ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ರಸ್ತೆ ಮತ್ತು ಚರಂಡಿ ಅಭಿವೃದ್ಧಿ ಕಾಮಗಾರಿಗಳನ್ನು ಕೈಗೊಳ್ಳಲು ರೂ.100.00 ಲಕ್ಷಗಳ ಅನುದಾನವನ್ನು ಮೀಸಲಿಟ್ಟಿರುತ್ತದೆ.

ಅದರಂತೆ ಕಾಮಗಾರಿ ನಿರ್ವಹಿಸುವ ಸ್ಥಳ ಪರಿಶೀಲನೆ ಮಾಡಿ **Improvements to Roads and Drains at Byrappa Garden KNE College 4thBlock Katheramma Layout Cross Roads in ward no.10, Doddabommasandra** ಅಂದಾಜು ಪಟ್ಟಿ ರೂ.100.00 ಲಕ್ಷಗಳಿಗೆ ಈ ಕೆಳಕಂಡ ಐಟಂಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ.

1. ಕಲ್ವರ್ಟ್ ನಿರ್ಮಾಣ ಮಾಡುವುದು.
2. ಹಳೆಯ ಕಲ್ಲು ಚಪ್ಪಡಿ ಚರಂಡಿಯನ್ನು ರಿಸೆಂಟಿಂಗ್ ಮಾಡುವುದು.
3. ಆರ್.ಸಿ.ಸಿ ಚರಂಡಿ ನಿರ್ಮಾಣ ಮಾಡುವುದು.
4. ಜಿ.ಎಸ್.ಬಿ. ಅಳವಡಿಸುವುದು.
5. ರಸ್ತೆಗೆ ವೆಟ್‌ಮಿಕ್ಸ್ ಅಳವಡಿಸುವುದು.
6. ರಸ್ತೆಗೆ ಪೈಮರ್ ಕೋಟ್, ಟ್ಯಾಕ್‌ಕೋಟ್, ಬಿ.ಎಂ ಮತ್ತು ಬಿ.ಸಿ ಅಳವಡಿಸುವುದು.
7. ಕಾಂಕ್ರೀಟ್ ರಸ್ತೆ ಅಗೆತ ಮಾಡಿರುವ ರಸ್ತೆಗೆ ಕಾಂಕ್ರೀಟ್ ಅಳವಡಿಸುವುದು.
8. ರೋಡ್ ಮಾರ್ಕಿಂಗ್ ಮಾಡುವುದು, ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅಂದಾಜಿನಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.

ಮೇಲ್ಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಬೆಂಗಳೂರು ವೃತ್ತ, ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ, 2018–19ನೇ ಸಾಲಿನ ದರ ಪಟ್ಟಿ ದರಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಗೆ 2019–20ನೇ ಸಾಲಿನ ಆಯವ್ಯಯದ **(P-0224)** ಅನುದಾನದ **Improvements to Roads and Drains at Byrappa Garden KNE College 4thBlock Katheramma Layout Cross Roads in ward no.10, Doddabommasandra** ಕಾಮಗಾರಿಗೆ ಕಾಮಗಾರಿ ಸಂಕೇತ, ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ, ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿ ತುರ್ತಾಗಿ ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಳ್ಳಬೇಕಾಗಿರುವುದರಿಂದ ಮೇ\\ ಕೆ.ಆರ್.ಐ.ಡಿ.ಎಲ್ ಮುಖೇನ ಕಾರ್ಯದೇಶ ನೀಡಲು ಕೋರಲಾಗಿದೆ.

Sweetha N R
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ.10(ದೊಡ್ಡಬೊಮ್ಮಸಂದ್ರ)

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ–ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು–24

BRUHATH BENGALORE MAHANAGARA PALIKE BYATARAYANA PURA DIVISION

Name of Work :Improvements to Roads and Drains at Byarappa Garden, KNE College 4th Block,Kateramma Layout cross Roads in ward No 10 Doddabommasandra

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Civil Work								
1	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202(Page No. 139/ Item No. 18.20/ PWD SR 2018-19)								
	Byrappa Garden								
	Deck slab	1	88.00	1.00	0.20	17.60			
						17.60	**Cum**	**496.00**	**8729.60**
	Basic Rate	390.00							
	Loading and Unloading	57.00							
	Laead For Earth for 10km	25.60							
	Area Weightage 6%	23.40							
	Grand Total	**496.00**							
2	KSRRB 300-3. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. (Page No. 142/ Item No. 19.1/ PWD SR 2018-19)								
	For RCC Drain								
	Muneshwara swamy layout								
	1st A Main Road	1	70.00	1.10	1.00	77.00			
	From 1st A Main Road to 2nd Main Road	1	50.00	1.10	1.00	55.00			
	For Culverts								
	Byrappa Garden	3	5.00	1.70	1.20	30.60			
	Near Vishal Medicals	1	5.00	1.70	1.20	10.20			
	Kateramma Layout	2	5.50	1.70	1.20	22.44			
	1st Main Road,Muneshwara Layout	1	5.80	1.70	1.20	11.83			
	Desilt								
	Byrappa Garden								
	Cross Road From 1st to 5th cross	1	88.00	0.60	0.70	36.96			
	Near Vishal Medicals								
		1	50.00	0.50	0.50	12.50			
		2	60.00	0.50	0.50	30.00			
	K.N.E. College 4th block								
	7th A C ross	2	59.00	0.60	0.50	35.40			
	For CC Road								
	Byrappa Garden								
	2nd Cross	1	36.30	4.10	0.45	66.97			
	3rd Cross	2	35.00	1.20	0.45	37.80			
		1	26.00	4.90	0.45	57.33			
	4th Cross	2	36.00	1.20	0.45	38.88			
		1	20.00	4.70	0.45	42.30			
	6th Cross	1	19.20	4.60	0.45	39.74			
	Cross Road From 1st to 5th cross	1	88.00	3.60	0.45	142.56			
	Near Vishal Medicals								
		1	50.00	3.70	0.30	55.50			

l No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		1	70.00	4.40	0.30	92.40			
	Kateramma Layout								
	1st Cross	2	49.00	1.20	0.30	35.28			
	2nd Cross	2	49.00	1.20	0.30	35.28			
	K.N.E. College 4th block								
	10th cross	1	47.00	5.50	0.30	77.55			
	9th cross	1	49.60	4.20	0.30	62.50			
	7th A cross	1	59.00	4.40	0.30	77.88			
	Near Ashwath Katte								
		1	61.00	5.40	0.30	98.82			
						1282.73	**Cum**	**220.40**	**282712.70**
	Basic Rate	130.00							
	Loading and Unloading	57.00							
	Laead For Earth for 10km	25.60							
	Area Weightage 6%	7.80							
	Grand Total	**220.40**							
3	Removing And Refixing stone slabs of drains and pointing in C.M (1:3) (Page No.27/ Item No.5.33/ PWD SR 2018-19)								
	For BS Slab Drain								
	Near Vishal Medicals								
		1	50.00	0.90		45.00			
		2	60.00	0.75		90.00			
	K.N.E. College 4th block								
	7th A C ross	2	59.00	0.90		106.20			
					Sub Total	**241.20**			
		Consider 20% of missing slab				48.24			
						192.96	**Sqm**	**111.30**	**21476.45**
	Basic Rate	105.00							
	Area Weightage 6%	6.30							
	Grand Total	**111.30**							
4	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18 PWD SR 2018-19)								
	For RCC Drain								
	Muneshwara swamy layout								
	1st A Main Road	1	70.00	1.10	0.15	11.55			
	From 1st A Main Road to 2nd Main Road	1	50.00	1.10	0.15	8.25			
	Culverts								
	Byrappa Garden	3	5.00	1.70	0.15	3.83			
	Near Vishal Medicals	1	5.00	1.70	0.15	1.28			
	Kateramma Layout	2	5.50	1.70	0.15	2.81			
	1st Main Road,Muneshwara Layout	1	5.80	1.70	0.15	1.48			
	For CC Road								
	Byrappa Garden								
	2nd Cross	1	36.30	4.10	0.15	22.32			
	3rd Cross	2	35.00	1.20	0.15	12.60			
		1	26.00	4.90	0.15	19.11			
	4th Cross	2	36.00	1.20	0.15	12.96			
		1	20.00	4.70	0.15	14.10			

l No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	6th cross	1	19.20	4.60	0.15	13.25			
	Cross Road From 1st to 5th cross	1	88.00	3.60	0.15	47.52			
	Near Vishal Medicals								
		1	50.00	3.70	0.15	27.75			
		1	70.00	4.40	0.15	46.20			
	Kateramma Layout								
	1st Cross	2	49.00	1.20	0.15	17.64			
	2nd Cross	2	49.00	1.20	0.15	17.64			
	K.N.E. College 4th block								
	10th cross	1	47.00	5.50	0.15	38.78			
	9th cross	1	49.60	4.20	0.15	31.25			
	7th A cross	1	59.00	4.40	0.15	38.94			
	Near Ashwath Katte								
		1	61.00	5.40	0.15	49.41			
						438.65	**Cum**	**5509.33**	**2416663.39**
	Basic Rate	5115.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1079.39	Note:- (220*~~490.63/100~~ 2453/50)=1079.39						
	Add Cement cost as per Issue rate	1161.86	Note:- (220*264.06/50)=1161.86						
	Sub Total	**5197.48**							
	Area Weightage 6%	311.85							
	Grand Total	**5509.33**							
5	Providing and laying plain/reinforced cement concrete for side drains **using M20 nominal mix** concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271 PWD SR 2018-19)								
	For RCC bottom Raft								
	For RCC Drain								
	Muneshwara swamy layout								
	1st A Main Road	1	70.00	0.90	0.15	9.45			
	From 1st A Main Road to 2nd Main Road	1	50.00	0.90	0.15	6.75			
	Culverts								
	Byrappa Garden	3	5.00	1.50	0.15	3.38			
	Near Vishal Medicals	1	5.00	1.50	0.15	1.13			
	Kateramma Layout	2	5.50	1.50	0.15	2.48			
	1st Main Road,Muneshwara Layout	1	5.80	1.50	0.15	1.31			
	Ramp For Culvert	14	5.30	0.75	0.15	8.35			
	For RCC drain Wall								
	Muneshwara swamy layout								
	1st A Main Road	2	70.00	0.15	0.75	15.75			
	From 1st A Main Road to 2nd Main Road	2	50.00	0.15	0.75	11.25			
	Byrappa Garden								
	Cross Road From 1st to 5th cross	2	74.00	0.15	0.30	6.66			
	Culvert								
	Byrappa Garden	6	5.00	0.30	0.75	6.75			
	Near Vishal Medicals	2	5.00	0.30	0.75	2.25			
	Kateramma Layout	4	5.50	0.30	0.75	4.95			
	1st Main Road,Muneshwara Layout	2	5.80	0.30	0.75	2.61			
						83.05	**Cum**	**7189.42**	**597063.21**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Basic Rate	6670.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1471.89	Note:- (300*490.63/100)=1471.89						
	Add Cement cost as per Issue rate	1584.36	Note:- (300*264.06/50)=1584.36						
	Sub Total	**6782.47**							
	Area Weightage 6%	406.95							
	Grand Total	**7189.42**							
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 (I No-28.8.2,P No-229 PWD SR 2018-19)								
	Consider 65kg/Cum for drain	1	49.86	65.00		3240.90			
	Consider 90kg/Cum for Culvert	1	24.84	90.00		2235.60			
						5.48	**Tonne**	**72326.98**	**396098.71**
	Basic Rate	68233.00							
	Area Weightage 6%	4093.98							
	Grand Total	**72326.98**							
7	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortar including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.**(Data Rate)**								
	For New Precast Slab								
	Muneshwara swamy layout								
	1st A Main Road	1	70.00	0.90		63.00			
	From 1st A Main Road to 2nd Main Road	1	50.00	0.90		45.00			
	Byrappa Garden								
	Cross Road From 1st to 5th cross	1	74.00	0.90		66.60			
			Missing Slabs			48.24			
						222.84	**Sqm**	**2337.00**	**520777.08**
	Data Rate	**2337.00**							
8	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. **(Data Rate)**								
	New covering slab for Culvert								
	Byrappa Garden	3	5.00	1.50		22.50			
	Near Vishal Medicals	1	5.00	1.50		7.50			
	Kateramma Layout	2	5.50	1.50		16.50			
	1st Main Road,Muneshwara Layout	2	5.80	1.50		17.40			
						63.90	**Sqm**	**5418.00**	**346210.20**
	Data Rate	**5418.00**							
9	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Page No-140 Item no - 18.47 of KPWD SR 2018-19)								
	For CC Road								
	Byrappa Garden								
	2nd Cross	1	36.30	4.10	0.15	22.32			

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	3rd Cross	2	35.00	1.20	0.15	12.60			
		1	26.00	4.90	0.15	19.11			
	4th Cross	2	36.00	1.20	0.15	12.96			
		1	20.00	4.70	0.15	14.10			
	6th Cross	1	19.20	4.60	0.15	13.25			
	Cross Road From 1st to 5th cross	1	88.00	3.60	0.15	47.52			
	Near Vishal Medicals								
		1	50.00	3.70	0.15	27.75			
		1	70.00	4.40	0.15	46.20			
	Kateramma Layout								
	1st Cross	2	49.00	1.20	0.15	17.64			
	2nd Cross	2	49.00	1.20	0.10	11.76			
	K.N.E. College 4th block								
	10th cross	1	47.00	5.50	0.15	38.78			
	9th cross	1	49.60	4.20	0.15	31.25			
	7th A cross	1	59.00	4.40	0.15	38.94			
						354.18	**Cum**	**952.94**	**337508.00**
	Basic Rate	899.00							
	Area Weightage 6%	53.94							
	Grand Total	**952.94**							
10	KSRRB 300-Compaction KSRRB 300-58. **Compaction of original ground** with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.(P.No. 147, I.No. 19.64 PWD SR 2018-19)								
	For CC Road								
	Byrappa Garden								
	2nd Cross	1	36.30	4.10		148.83			
	3rd Cross	2	35.00	1.20		84.00			
		1	26.00	4.90		127.40			
	4th Cross	2	36.00	1.20		86.40			
		1	20.00	4.70		94.00			
	6th Cross	1	19.20	4.60		88.32			
	Cross Road From 1st to 5th cross	1	88.00	3.60		316.80			
	Near Vishal Medicals								
		1	50.00	3.70		185.00			
		1	70.00	4.40		308.00			
	Kateramma Layout								
	1st Cross	2	49.00	1.20		117.60			
	2nd Cross	2	49.00	1.20		117.60			
	K.N.E. College 4th block								
	10th cross	1	47.00	5.50		258.50			
	9th cross	1	49.60	4.20		208.32			
	7th A cross	1	59.00	4.40		259.60			
	Near Ashwath Katte								
		1	61.00	5.40		329.40			
						2729.77	**Cum**	**6.36**	**17361.34**
	Basic Rate	6.00							
	Area Weightage 6%	0.36							
	Grand Total	**6.36**							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
11	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (Page No.155.tem No.20.18,PW,P & IWTD SR 2018-19)								
	For CC Road								
	Byrappa Garden								
	2nd Cross	1	36.30	4.10	0.15	22.32			
	3rd Cross	2	35.00	1.20	0.15	12.60			
		1	26.00	4.90	0.15	19.11			
	4th Cross	2	36.00	1.20	0.15	12.96			
		1	20.00	4.70	0.15	14.10			
	6th Cross	1	19.20	4.60	0.15	13.25			
	Cross Road From 1st to 5th cross	1	88.00	3.60	0.15	47.52			
	Near Vishal Medicals								
		1	50.00	3.70	0.15	27.75			
		1	70.00	4.40	0.15	46.20			
	Kateramma Layout								
	1st Cross	2	49.00	1.20	0.15	17.64			
	2nd Cross	2	49.00	1.20	0.15	17.64			
	K.N.E. College 4th block								
	10th cross	1	47.00	5.50	0.15	38.78			
	9th cross	1	49.60	4.20	0.15	31.25			
	7th A cross	1	59.00	4.40	0.15	38.94			
	Near Ashwath Katte								
		1	61.00	5.40	0.15	49.41			
						409.47	**Cum**	**2001.28**	**819455.12**
	Basic Rate	1888.00							
	Area Weightage 6%	113.28							
	Grand Total	**2001.28**							
12	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) (Page No. 175.tem No.22.6.1,PW,P & IWTD SR 2018-19)								
	For CC Road								
	Byrappa Garden								
	2nd Cross	1	36.30	4.10	0.15	22.32			
	3rd Cross	1	61.00	4.90	0.15	44.84			
	4th Cross	1	56.00	4.70	0.15	39.48			
	6th Cross	1	19.20	4.80	0.15	13.82			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Cross Road From 1st to 5th cross	1	88.00	3.90	0.15	51.48			
	Near Vishal Medicals								
		1	50.00	3.70	0.15	27.75			
		1	70.00	4.40	0.15	46.20			
	Kateramma Layout								
	1st Cross	1	49.00	5.00	0.15	36.75			
	2nd Cross	1	49.00	4.80	0.15	35.28			
	K.N.E. College 4th block								
	10th cross	1	47.00	5.50	0.15	38.78			
	9th cross	1	49.60	4.20	0.15	31.25			
	7th A cross	1	59.00	4.40	0.15	38.94			
	Near Ashwath Katte								
		1	61.00	5.40	0.15	49.41			
						476.30	**Cum**	**5354.02**	**2550101.86**
	Basic Rate	4916.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1766.27	Note:- (360*~~490.63~~2453/100)=1766.27						
	Add Cement cost as per Issue rate	1901.23	Note:- (360*264.06/50)=1901.23						
	Sub Total	**5050.96**							
	Area Weightage 6%	303.06							
	Grand Total	**5354.02**							
13	Vaccum de-watering with **vaccum pump** and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(Page No. 177.tem No.22.7,PW,P & IWTD SR 2018-19)								
	For CC Road								
	Byrappa Garden								
	2nd Cross	1	36.30	4.10		148.83			
	3rd Cross	1	61.00	4.90		298.90			
	4th Cross	1	56.00	4.70		263.20			
	6th Cross	1	19.20	4.80		92.16			
	Cross Road From 1st to 5th cross	1	88.00	3.60		316.80			
	Near Vishal Medicals								
		1	50.00	3.70		185.00			
		1	70.00	4.40		308.00			
	Kateramma Layout								
	1st Cross	1	49.00	5.00		245.00			
	2nd Cross	1	49.00	4.80		235.20			
	K.N.E. College 4th block								
	10th cross	1	47.00	5.50		258.50			
	9th cross	1	49.60	4.20		208.32			
	7th A cross	1	59.00	5.50		324.50			
	Near Ashwath Katte								
		1	61.00	5.40		329.40			
						3213.81	**Sqm**	**72.08**	**231651.42**
	Basic Rate	68.00							
	Area Weightage 6%	4.08							
	Grand Total	**72.08**							
								Total Construction Cost	**8545809.08**
								GST Charges 12%	**1025497.09**
								KRIDL Charges 4%	**341832.36**
								Towords PMC cost 1%	**85458.09**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
								Sub Total	9998596.62
								Utility Shifting,Miscellaneous and Rounding off	1403.38
								GRAND TOTAL	10000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Sweetha N K
Assistant Engineer
Ward No.10

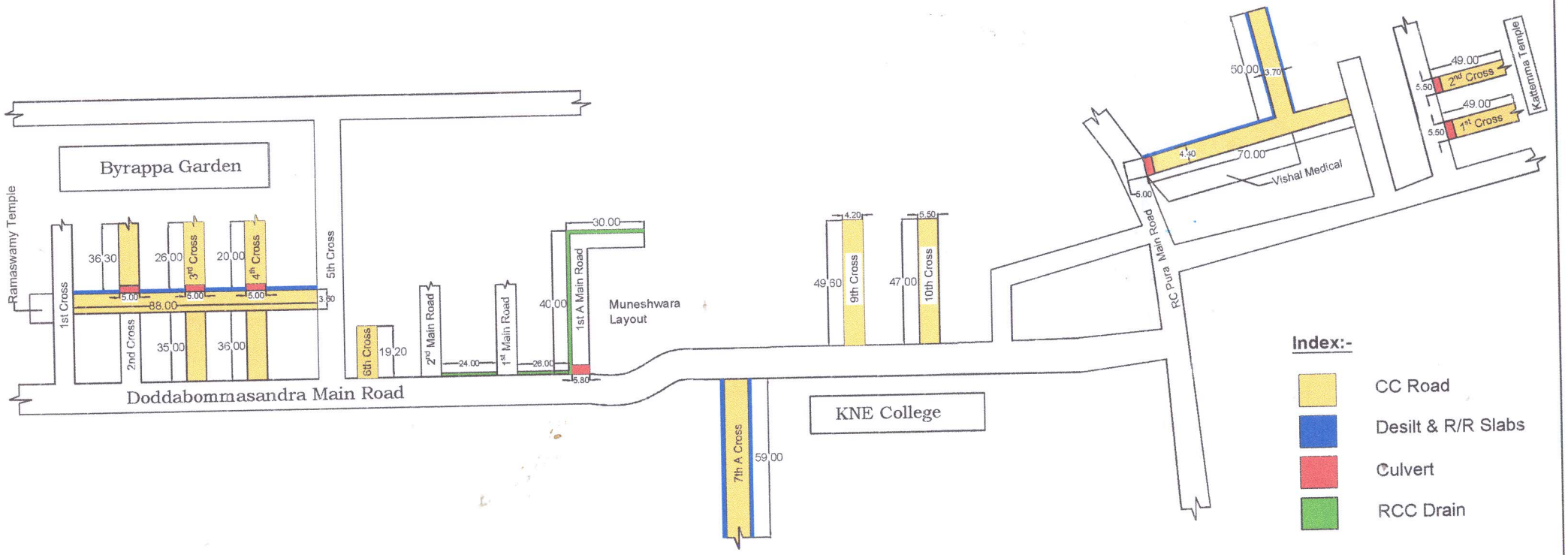
Asst. Executive Engineer,
Vidyaranya Pura Sub division

Executive Engineer,
Byatarayana Pura Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. 100.00 Lakhs only
Head of A/c. P0224
Div. Ref. No. 99/19-20 Date 29-02-2020
AE 29/02
EE(BTP) 29/02

Rs. 100 00 000
ONE CRORE ONLY
P1878
No 00-20-00004
Registered as SE(Y)/TS/ 32 / 2019-20
to conditions contained in enclosed memo
32 / 2019-20 Dated 04/03/2020
04/03/2020
SE(Yelahanka)

Name of Work:- Improvements to Roads and Drains at Byrappa Garden KNE College 4th Block Kateramma layout Cross Roads in ward no.10 Doddabommasandra



Assistant Engineer
Ward No.10

Assistant Executive Engineer
Vidyaranya Pura Sub division

All Dimensions are in Meters